

Akulov, N.S.
MAGNETIC EXAMINATION OF METALS. 9 p.
MTWL: 671.
Order from OTS or ETC \$1.55 61-17183

Trans. of Vestnik Metallopromyshlennosti (USSR),
1940, no. 4-5, p. 123-129.

DESCRIPTORS: *Non-destructive testing, *Metals,
Test methods, Magnetic effects, Quality control.

61-17183

I. Akulov, N.S.
II. MTWL-671.
III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Centrifugal Hard Facing of Bushings With Boron Cast
Iron, by I. Brokhin, A. Davidov.

RUSSIAN, per, Vestnik Metalloproizvodstva, Vol XX,
No 6, 1940.

Brutcher Tr. No 1533

16,652

Scientific - Min/Metals

\$2.20

YEFIMOV, V. N.

Vestnik Metalloprzemysłowności, vol. 20, 1940,
No. 7, pp. 63—63; 1 figure 1 table, 950 words.

Decorative and Corrosion-resisting Coatings.

Brutcher Trans, Order No. 1549, \$ 1.35.

Chromium-Manganese Carburizing Steel for Pinions, by
A. S. Braun.

1955, per, Vestnik Metalloproyshlennosti, Vol XX,
No 10, 1950.

Brutcher Tr No 1714

16,421

Scientific - Min/Motals

\$1.65

On the Friction of Cast Iron Against Chromium-
Plated Steel, by M. Kontorovich, V. Arkharov.

RUSSIAN, per, Vestnik Metallurgii, Vol XX, No 10,
1940, pp 10-12.

Bratcher Tr 1543

Scientific - Min/Metals

\$2.65

12,846

Wear Resistance of Chromium Plates, by V. I.
Arkharov, Z. M. Zagrubskiy, S. A. Nemmonov.

RUSSIAN, per, Vestnik Metallo, Vol XX, No 10,
1940, pp 13-15.

Brutcher Tr 1525

Scientific - Min/Metals

12,845
\$3.45

GAISKII, N.

New Carrier of Plague-*Ellobius talpinus* Pall.
(5-Pages)

Russian, Vestnik Mikrobiologii, X, No. 1
1931, 59-61.

X- 563

Translated at the
National Insts of Health
Bethesda, Md.

IMUKOVANESHNIKOV, N.
LIPATOVA, T.

Immunology of Plague. I. Comparative Value of
Anti-plague Sera in Connection with Study, by
Means of Shvartsman's phenomenon, of the
Importance of Separate Fractions of *Y. pestis*
in Plague Pathogenesis. 23 pp.

RUSSIAN, Vestnik mik., epidem. i parazit. 12(4):
257-267; 1957.

X-558

Translated at the National
Instn. of Health, Bethesda, Md.

KHVOBOSTUKHINA, M. N.

Immunology of Plague

II

Use of the Flocculation Reaction for the
Titration of Anti-plague Sera, 15 pp.

RUSSIAN, Vestnik Mikrob., XIII, 1, 1934.
29-35

A-528

Translated at the National
Insts. of Health
Bethesda, Md.

NEVOROSTUKHINA, M. M.

Immunology of Plague. II. Question of the Use
of the Flocculation Reaction for Titration
of Anti-plague Sera. pp 13.

RUSSIAN, Vestnik mik., epidem., i parazitol.
13 (1): 29-35; 1934

X-534

Translated at the
National Insts. of Health
Bethesda, Md.

LIPATOVA, T.

Immunology of Plague. 13 pp.

RUSSIAN, Vestnik mikr., epidem. i parazitol.
13 (3): 201-206, 1934

I-539

Translated at the
National Insts. of Health
Bethesda, Md.

Significance of the Thermoprecipitin Reaction in
the Praxis of Examining Plague Epizootics, by A. L.
Berlin, 16 pp.

RUSSIAN, ~~per~~, Vestnik Mikrobiologii, Vol IX, No 1,
1930, pp 54-59, 129.

CIA/TDD/X-562

Sci Tr Center
RT-793

Scientific - Biology

14,618

GRIKUROV, V. S.

Contribution to the Question of the Preservation of
the Plague Virus in the Inter-Episootic Period at
the Endemic Site. (12-Pages)

Russian, Vestnik mik., epidem., i, parazit.
13 (3): 207-211: 1934.

X-571

Translated at the
National Institutes of Health
Bethesda, Md.

60-13375

RESEARCH ON THE EPIZOOTOLOGY OF PLAGUE
IN GROUND SQUIRRELS (CITELLUS PYGMAEUS
PALL.) IN AN ENDEMIC REGION (SCIENTIFIC RE-
SULTS FOR 1926 - 1933 OF THE RESEARCH WORK
OF THE NORTH CAUCASIAN PLAGUE PREVENTION
ORGANIZATION) tr. by H. Norris. 13 July 43, 7p.
13 refs.

Order from LC or SLA mi\$1.80, ph\$1.80 60-13375

Trans. of Vestnik Mikrobiol[ogii] Epidemiol[ogii i
Parazitologii] (USSR) 1934, v. 13, p. 219ff with added
list of other articles on "Plague" from vols. 13-14,
1934-35.

141,129

(Unannounced)

1. Squirrels--Pathology
2. Plague
3. Title: Epizootology

Office of Technical Services

Volferz, G. A.
BIOLOGY OF TREPONEMA PALLIDA. I. A SIMPLE
METHOD OF SEPARATION OF T. PALLIDA IN
PURE CULTURE FROM SICK PERSONS AND THE
MORPHOLOGICAL CHARACTERISTICS OF SPIRO-
CHETES IN CULTURE
R. Roberts, tr. 8 Jul 48, 14p
Order from OTS, SLA, or ETC \$1.60 TT-60-19707

Trans. of Vestnik Mikrobiologii, Epidemiologii i
Parazitologii (USSR) 1936, v. 15, p. 334-339.

DESCRIPTORS: *Treponema pallidum, Separation,
Culture media, Morphology, *Spirochaeta.

(Biological Sciences--Microbiology, TT. v. 11, no. 4)

TT-60-19707

I. Volferz, G. A.
II. Title: Simple...
III. National Institutes
of Health,
Bethesda, Md.

Office of Technical Services

Ticks of the Ixodidae Family and Their Role in
the Epizootiology and ~~Antropozoonosis~~ ^{Epidemiology} and of
Tularemia in the Southeastern Parts of the RSFSR,
by D. N. Zaslukhin, 27 pp.

RUSSIAN, per, Vest Mikrobiologii Epidem i
Parazit, Vol XV, No 344, 1936, pp 461-470.

NIN 12-19-60

3
149,639

Sci - Med
Feb 61

Concerning the Antagonistic Effect of
P Proteus Vulgaris on B Pestis, by V.
M. Tumanakii, 13p.

RUSSIAN, per, Vestnik Mikrobiologii
Epidemiologii i Parazitologii, Vol 17,
No 1/2, 1939, pp 20-27.

OTS TT-65-60103

333, 608

Sci

Vest. Microbiol, Epidem. & Parasit. ...
Vol 17, No 1/2 pp 43-55 (1939)

Experiments with the Application of the "Vaccination"
Principles on a Medium for Suppression of the
Serpiginous Quality of Proteus.
by O. P. Haller

20 Typed pp Trans. Done by NIH, Bethesda, Md.
X-16 copy in Lib file

KOROTKOVA, E. I.

Investigation of Secondary B. Pestis Cultures
Report I: Yellow Variant of Plague Microbe, 16 pp.

RUSSIAN, Vestnik Mikrobiologii, XIX, 3-4, 1940,
424-432

X-530

Translated at the
National Insts. of Health
Bethesda, Md.

Korobkova, Ye. I.
A NEW PRINCIPLE FOR THE PREPARATION OF
DEVITALIZED SUGAR VACCINES. Communication 2
of Contribution to the Increase of the Efficacy of Killed
Plague Vaccines. [1961] 19p. 15 refs. [CWL] Trans. 46;
Misc Tr 460.
Order from OTS or SLA \$1.60

61-19726

Trans. of Vestnik Mikrobiologii i Epidemiologii i Parazitologii (USSR) 1940, v. 19, p. 450-468.

DESCRIPTORS: *Pneumonic plague vaccine, *Carbohydrates, Effectiveness.

The weak activity of vaccines killed by heat or by the addition of 0.5% phenol is caused by the fact that in these conditions the Vi-antigen disappears completely. In heated sugar vaccines the Vi-antigen is partially retained, and this, in part, explains their superior immunizing properties. Plague vaccine killed in a con-
(Biological Sciences--Pharmacology,
TT, v. 6, no. 4)

(over)

61-19726

I. Korobkova, Ye. I.
II. Title: Contribution...
III. CWL Trans-46
IV. CWL Misc Tr-460.
V. Army Chemical Corps,
Fort Detrick, Md.

177688

Office of Technical Services

Use of Lysozyme in Surgery, by O. I. Ponomareva,
11 pp.

RUSSIAN, per, Vesnik Mikrobiol Epidemiol i
Parasitol, Vol XIX, 1940, pp 538-544.

SLA Tr R-1088

Sci

Jul 58

67,845

Natural Resistance of Citellus Pygmaeus Nests of
Fleas in Areas Cleared of Svaliks (?), by S. A.
Kolpakova, N. P. Lippert, 31 pp.

Full translation.

RUSSIAN, per, Vestnik Mikrobiol., Epidem i Parazit,
Vol XVI, No 1-2, 1937, pp 153-170.

CIA/FDD/X-787

Scientific - Medicine, biology

Apr 53 CTS

707

(NY-6730)

Directives on Control of Narcotics,
29 pp.

RUSSIAN, per, Vest Ministerstva Zdravotnctvi,
N Vol IX, No 14/15, 1961, pp 150-158.

JPRS 11301

USSR
Soc
Dec 61

178,031

(NY-6730)

Directives on Quality Control of Medicines,
18 pp.

RUSSIAN, per: Vest Ministerstva Zdravotnictvi
Vol IX, No XX 16, 25 Aug 1961, pp 169-174.

JPRS 11301

USSR
Soc
Dec 61

17P032

Calculation of the Equilibrium of the Reactions of Chlor
Substituted Ethylene and Ethane, by V. M. Tatevskii,
A. V. Frost.

Full translation.

RUSSIAN, per, Vest Moskovskogo Gosudarstvennogo Uni-
versiteta, No 3, USSR, 1947, pp 65-82.

AEC Tr 1490

Scientific - Chemistry, gas, ethylene, ethane

Jan 53 CTS/DEX

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ng

Investigation of the Irregular Structure of the
Ionosphere, by V. D. Gusev, M. B. Vinogradova, L. A.
Drachev, 11 pp.

RUSSIAN, per, Vest Moscow Gosud U, No 4, 1957,
pp 129-136. 9658850

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Amer Meteorol Soc
AF Cambridge Res Center

Sci - Geophys
May 61

150,467

On a Certain Linear Automatic Control System
With a Corrective Network, by E. N. Miroslovlev,
3 pp.

RUSSIAN, per, Vestnik Moss. Gos. Univ. No 1,
Sept 1958, pp 69-72.

Automation Express
Vol I, No 6
Internat'l Physical Index

Sci
Jun 59

AVAILABLE BR 5
LIBRARY 90,410

A Method for Synthesizing Multipole Contact Networks, by V. N. Grebenschikov.

RUSSIAN, par, Vest Mos Gos Univ, No 3, Nov 1958, pp 117-127.

Internatl Physical Index
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Vol I, No 9

Sci

Aug 59

93,851

S. G. Popov

Examples of the exterior problem of the aerodynamics
of a very rarified gas, 20 pp

RUSSIAN per, Vestnik Moskovskogo Universiteta, 1948
Vol 3, No 5, pp 25-37

Sci Museum Lib No 52/1101

H. J. Muth Soc TR-36

*but by
for Muth Soc 707
Introductory paper
AUG 1948*

Some Problems of the Theory of Creep, by Y. N. Rabotnov,
19 pp.

Full translation.

RUSSIAN, per, Vest Moskovskogo Universiteta, No 10, 1948,
pp 81-91.

Sci M: Lib 53/1342
FACA Tech Memo 1353

Scientific - Aeronautics

CTB/DEX

4586

Perturbation Theory Method of a Degenerate Level
in the Polar Model of a Metal, by N. N. Bogolyubov,
S. V. Tyablikov.

RUSSIAN, per, Vest Moskov Univ, No 3, 1949,
pp 35-48.

MIT, Lincoln Lab

Sci - Phys

May 58

63, 944

Action of Organic ~~Magnesi~~ Magnesium Compounds on
Acrylonitrile, by A. P. Terentyev, A. N. Kost,
3 pp.

RUSSIAN, ~~for~~ no per, Vest Mosk Universiteta,
Vol V, No 8, 1950, pp 41,42.

Sci Tr Center RT-2596

Scientific - Chemistry
Dec 55 CTS/DEX

28, 980

Transitions of Sodium Metaphosphate on Heating,
by K. Ya. Khemyakov, M. E. Levina, 13 pp.

RUSSIAN, per, Vest Mosk Univ, Vol V, No 9, 1950,
pp 43-50.

4080

CIA/PDD/X-1360

Scientific - Chemistry
CTS/DEX

REQ TR CHECK 7-7-26 TK71

TEMPERATURE DEPENDENCE OF THE THERMAL AND
ELECTRICAL CONDUCTIVITIES OF STEELS AND FERROUS
FERROUS HARD ALLOYS

MIKRYUKOV V YE

UR: VESTNIK MOSKOV. UNIV, nr 4, 1951,
pp 29-43*In process as**HC-23-71-1992**meo
138.871*

Method for the Construction of a Dynamic
Correlation Between Stresses and Deformations
by the Distribution of Residual Deformations,
by V. S. Lenskiy.
RUSSIAN, per, Vestnik Moskovskogo Universiteta,
Vol 6, No 5, 1951, pp 13-20.
AEC ANL Tr-487

331,027

Sci - Nuclear Science
Jul 67

(FDD 21937)

The Victory of the Popular Revolution in China,
and Its Universal Historical Significance, by
D. M. Ugrinovich, 33 pp.

RUSSIAN, photostat, Vest Mosk Univ, No 9,
Moscow, Sep 1951, pp 127-143.

CIA/FDD/U-6438

FE - China

Pol - Chinese Communist revolution

18112

Waves in Cylindrical Plasmas, by R. L.
Stratonovich. UNCLASSIFIED

RUSSIAN, per, Vest Mosk Univ, No 3, 1952,
pp 31-40.

Sci Mus Lib Tr 57/47 2747

AEC Tr 2740

Sci - Phys
Sep 50

72, 4/11

Frumkin, A. N.
THE REDUCTION AND THE ZERO POINT OF
METALS. [1961] 21p. 34 refs.
Order from OTS or SLA \$2.60 61-18817

Trans. of Moscow U. Vestnik (USSR) 1952, v. 7,
no. 9, p. 37-48.

DESCRIPTORS: *Metals, *Reduction, Electrochem-
istry, Physical properties, Chemical properties,
Complex compounds, Solutions, Acid-base
equilibrium.

(Chemistry--Physical, TT, v. 7, no. 9)

61-18817

I. Frumkin, A. N.

Office of Technical Services

Sedov, L. I., Mikhailova, M. P., and Chernyi, G. G.
ON THE INFLUENCE OF VISCOSITY AND HEAT
CONDUCTION ON THE GAS FLOW BEHIND A
STRONG SHOCK WAVE (O Vliyani Viskozosti i Teplo-
provodnosti na Techenie Gaza za Sil'no Iskryvennoi
Udarnoi Volnoi) tr. by Ronald F. Probstain. Oct 59
[16]p. 2 refs. WADC-TN 59-349; AD-227 413.
Order from OTS or SLA \$1.60 61-27291

Trans. of Moscow U. (Vestnik (USSR) 1953 [v. 8] no. 3,
p. 95-100.

Another translation is available from SLA as RT-1368.

DESCRIPTORS: *Shock waves, *Gas flow, Viscosity,
Heat transfer, Bodies of revolution

An analysis is made of the case of the symmetric super-
sonic flow of a gas past a body of revolution or a planar
profile with the formation of a detached shock wave in
front of it. Results show that the action of viscous
(Mechanics--Aerodynamics. TT. v. 6, no. 5) (over)

61-27291

- I. Sedov, L. I.
- II. Mikhailova, M. P.
- III. Chernyi, G. G.
- IV. Brown U., Providence,
R. I.
- V. Contract AF 33(616)5442
- VI. WADC-TN-59-349
- VII. AD-227 413

180616

Office of Technical Services

Synthesis of Aromatic Organo-bismuth Compounds Through
Arylazocarboxylic Salts, by O. A. Reutov, 10 pp.

Full translation.

RUSSIAN, per, Vestnik Moskovskogo Universiteta,
Vol VIII, No 3, 1953, pp 119-123.

NIE TR78

Scientific - Chemistry

28,180

Nov
Oct 55
CTB/DEK

Determination of the Dynamic Correlation Between
Stresses and Deformations, by R. I. Nadyeva,
7 pp.

RUSSIAN, per, Vestnik Moskovskogo Universiteta,

No 10, 1953, pp 93-98. P911281467

AEC ANL Tr 488

336,980

Sci - Mech
Sep 67

(FDD 25229)

New University Departments - Biophysics and Its
Tasks, by B. Tarusov, 9 pp.

RUSSIAN, no par, Vest Moskov U, No 3, Moscow, 1954,
pp 160-164.

Dec 55 CTS

CIA/FDD/U-7625

USSR

Sci - Miscellaneous, education

30,438
(copyright)

A Note on the Energy Levels of Helium-Like
Atoms, by A. I. Andreyev

RUSSIAN, no per, Vest Moskov U, Vol IX, No 5,
1954, pp 65-69.

Nat Res Lib TT 558
Ottawa, Canada

Sci - Physics

32,056

Modern Problems of the Theory of Plasticity, by
A. A. Il'yushin, 20 pp.

RUSSIAN, per, Vest Moskov U, Vol X, 1955, pp 101-
113.

AEC Tr 2892

SLA R-1237
47, 410

Sci - Chem

May 57

Equations With Variational Derivatives in
Problems of Statistical Physics, and Quantum
Field Theory, by N. N. Bogolyubov, 12 pp.

RUSSIAN, per, Vest Moskov U, Vol X, No 4/5,
1955, pp 115-124.

AEC-Tr-3487

Sci - Physics

Aug 59

95, 012

1
The Equations and Convergence of a Differential-Difference Method, by V. I. Lebedev.

RUSSIAN, per, Vestnik Moskov Univ, Vol. X, No 10, 1955, pp 47-57.

Amer Math Soc

Sci - Math & Data Proc
Oct 63

241, 505

Temperature Dependence of the Magnetostriction
of Ferromagnetic Alloys, by D. I. Volkov, V. I.
Checkernikov and V. B. Tseitlin, 10 pp.

RUSSIAN, per, Moskov Univ Vestnik, No 2, 1956,
pp 21-28.

SLA R-2324

Sci

Aug 58

(Loan Copy Only)
72,542

Synthesis and Catalytic Decomposition of Aluminum-silicate, by I. N. Tits-Skvortsova, T. A. Nanilova.

RUSSIAN, per, Vest Mosk Univ, Vol XI, No 2, 1956, pp 69-76.

*ATIC

Sci - Chem
Jun 57

On Pair Effects in Single Crystals, by G. P.
D'Iakov, 11 pp.

RUSSIAN, per, Vestnik Moscow Univ, No 5, 1956.

S.L.A. Tr R-430

Sci - Electronics
May 57

48,738

Method of Determining the Magnetic Permeability of
a Substance in the Ferromagnetic Resonance
Region, by A. I. Pil'shchikov, 9 pp.

RUSSIAN, per, Vestnik Moskov Univ, No 5, 1956,
pp 49-54.

SLA Tr R-847

Sci - Electricity, Physics 52, 281

Sep 57

Investigation of Noise by a Cathode-Ray Tube, by
V. N. Ivanov, 11 pp.

RUSSIAN, per, Vest Moskovskogo Universiteta,
No 6, Jun 1956, pp 47-56, Encl to IR 1228-57,
AFON-1A1.

AF 1082126

Sci - Electronics
Apr 1957 CTS/dex

46,340

BD-382

RUSSIAN, per, Vestnik Moskovskoy
No 6, 1956, pp 147-163.

(DC-6705)

The Wage Level of Sovkhoz Workers and the
Factors of Its Growth, by V. M. Rabinovich,
31 pp.

RUSSIAN, per, Vest Moskov Univ, No 2, 1957,
pp 3-20.

JPRS 13026

USSR
Econ
Mar 62

189,678

A Method of Determining the Anisotropy Constants of
Ferromagnetic Single Crystals by Means of an
Investigation of Small Oscillations of the Sample,
by A. A. Yudin, 11 pp.

RUSSIAN, per, Vestnik Moscow Univ, No 2, 1957, pp
131-138.

SLA R-3227

Sci
Jul 59

93,029

An Improvement to the Theory of Mutual Synchroni-
zation of Two Self-Excited Oscillators, by

V. N. Parygin,

RUSSIAN, per, Vestnik Moskovskogo Universiteta,

No 2, 1957, pp 139-144.

ACSI J-1611

ID 2204002767

Sci-Phys

Feb 67

319,067

Methods of Preparing Dielectric Mirrors and
Interference Light Filters, and a Study of Their
Optical Properties, by F. A. Krolev, A. Yu.
Klement'eva, 12 pp.

RUSSIAN, per, Vestnik Moscow U, No 3, 1957,
pp 65-73.

SLA 59-10186

Sci - Physics

Sep 59

Vol II, No 2

CIA/FDO XX-669 - USIB INTERNAL USE ONLY

NLI 011119

98,679

Comparative Biochemical Examination of Two Species
of Green Algae, by G. P. Serenkov, N. V. Pakhomova,
I. G. Borisova.

RUSSIAN, per, Vestnik Moskovskogo Universiteta,
No 3, 1957, pp 77-85. CIA 9016919

USDA

Sci - Chemistry
Mar 58

60,256

Rolling a Thin Sheet, by U. S. Arutunov, 10 pp.

RUSSIAN, per, Vest Moskov U, No 4, 1957, pp 17-27.

ACSI, H-2196, A

Sci - Phys

Nov 59

102, 076

A. Some Problems in Major Deformations of
Cylindrical Shells, by M. A. Loginov; B. Determination of Wind and Vertical Velocities in Areas of Pressure Using Three Equations of Movement, by A. F. Dyubnyuk, 17 pp.

RUSSIAN, per, Vest Moskov U, No 4, 1957, pp 29-40, 125-128.

ACBI, H- 1832, A, B.

Sci - Phys

Nov 58

76,415

Investigation of Certain Problems of Detonation
and Combustion in Media of Variable Density, by
I. S. Shikin, 10 pp.

RUSSIAN, prr, Vest Moskov U, No 4, 1957,
pp 49-59.

ACSI, H-2030

Sci - Phys

Mar 60

109,382

A. Some Problems in Major Deformations of
Cylindrical Shells, by M. A. Loginov; B.
Determination of Wind and Vertical Velocities in
Areas of Pressure Using Three Equations of
Movement, by A. F. Dyubyuk, 17 pp.

RUSSIAN, per, Vest Moskov U, No 4, 1957,
pp 29-40, 125-128.

ACSI, H-1032, A, B

Sci - Phys

Nov 58

76,415

B. Concerning the Heterogeneous Structure of
the Ionosphere, by M. B. Vinogradova, 8 pp.

RUSSIAN, per, Vest Moskov U, No 4, 1957, pp
129-136.

ACSI, H-2196, B

Scin-Space Res

Nov 59

102,077

BD-510

(NY-1873).

Celebration in Honor of Academician Leonid Ivanovich Sedov, by G. Gol'denberg, 7 pp.

RUSSIAN, per, Vest Moskov Universiteta, No 4, Moscow, 1957, pp 251-255.

US JPRS/NY-L-385

USSR
Bio

75,055

The Determination of Strain in the Pressing of Thin
Axially Symmetric Bodies, by I. A. Kiyko, 8 pp.

RUSSIAN, per, Vestnik Moskovskogo Universiteta, No 5,
1957, pp 33-39.

ACBI H-2195

Sci - Phys

Mar 60

110, 512

Use of 8-Hydroxyguanine Derivatives in the
Determination of Certain Elements, II. Spectro-
photometric Determination of Cobalt by Means of
5:8-Quinolinedione Dioxime, by A. Golovina,
et al.

RUSSIAN, per, Vest Moskov Univ, ^{No 5}~~Vol 1~~, 1957,
pp 187-191.

CSIRO 5615

Sci - Chem
Aug 62

211, 175

Il'in, B. V., Kiselev, V. P., and Krasil'nikov, K. G.
THE INFLUENCE OF THE NATURE OF THE SILICA
SURFACE ON ITS ADSORPTION PROPERTIES. I.

[1960] 18p. 49 refs.

Order from OTS or SLA \$1.60

61-15099

Trans. of Moscow U. Vestnik (USSR) 1957, [v. 12]
no. 6, p. 35-50.

DESCRIPTORS: Silicon compounds, Dioxides, *Gels,
*Catalysts, Adsorption, Surface properties

Studies were made of (1) the hydration and dehydration
processes on silica surface, and (2) the influences of
degree of hydration of silica surface on the adsorption
of water, methanol and nitrogen vapors. Experiments
indicated that (1) loss of structural water between 300°
and about 600° or 700° C is mainly at the expense of
surface dehydration, and at higher temperatures by
reduction of the surface from silica gel agglomeration,
and (2) silica gel with large surface area per gram had
(Chemistry--Physical, TT. v. 6, no. 2) (over)

61-15099

I. Il'in, B. V.
II. Kiselev, V. P.
III. Krasil'nikov, K. G.
IV. Translations, New York

169563

Office of Technical Services

Commerce/NBS

R-5463-D

Thermal and Electrical Properties of Copper, Silver,
Gold, Aluminum, and Copper-Beryllium Alloys, by
V.E. Mikryukov, Vest Mosk Universiteta, No 6, 1957,
pp 57-67

Russian

Neg

S-117/60

(NY-3597)

The Chemistry and Separation of Isotopes, by G. M.
Panchenkov, I. A. Semiokhin, P. A. Akishin, 22 pp.

RUSSIAN, per, Vest. MOKH II, No 6, 1957; pp 199-214.

JPRS 2779

Sci - Chem

118,852

Jun 60

JPRS C50. 16290

16290

26 Sep 67

Determination of Volumetric Changes in Metals
during Neutron Radiation by Ya.I. Reznov, pp23-26

RUSSIAN, per, Vestnik Moskovskogo Universiteta,
No.1, 1959,

Special Type "B"; Translator's draft plus one

pp- do not mutilate,

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